ALL-TECH
ENVIRONMENTAL SERVICES LIMITED

HAZARDOUS MATERIALS ASSESSMENT
Summerside Youth Centre
159 Greenwood Drive,
Summerside, PE

Prepared For:

PEI Department of Transportation & Infrastructure
P.O. Box 2000
Charlottetown, PE

April 12, 2023

ALL-TECH Project No.: PE22400

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EXECUTIVE SUMMARY

ALL-TECH Environmental Services Limited was contracted by the PEI Department of Transportation & Infrastructure (DTI) to conduct a hazardous material assessment for the Summerside Youth Centre located at 159 Greenwood Drive in Summerside Prince Edward Island.

The purpose of the assessment was to identify hazardous materials within the building which may require safe handling procedures and disposal requirements in accordance with their applicable regulations prior to any planned work, renovations, or demolition and to assist in the Asbestos Management Plan (AMP) of any in place asbestos containing materials (ACM).

This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

The on-site assessment was conducted in December 2022. During the assessment hazardous materials including asbestos and lead (paint) were sampled. In addition, lamp ballasts and electrical transformers were visually assessed for Polychlorinated Biphenyls (PCBs) and reported if identified.

Based on the findings from the Hazardous Materials Assessment, the following conclusions and recommendations are presented:

A summary of the Hazardous Materials identified within the building is provided below in Table A based on our assessment as well as safe handling requirements.

Hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix IV.

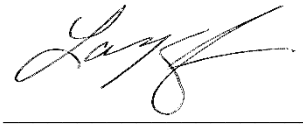
Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations.

TABLE A
Summary of Hazardous Materials
Summerside Youth Centre

Hazardous Materials	***Description / Comments***	***Safe Handling Requirements***	***Disposal Requirements***
LEAD	Grey paint on concrete floors (Boiler Rooms – Strength Program Building & Youth / Adult Female Building)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the *Occupational Health and Safety Act* R.S.P.E.I	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.

SILICA	Presumed in the following building components: • Poured or pre-cast concrete (foundation footing; floors) • Masonry and mortar (concrete block; exterior brick)	Trained personnel in the safe handling of silica dust and all other pertinent sections of the *Occupational Health and Safety Act* R.S.P.E.I	Regulatory approval from PEIELJ
MERCURY	fluorescent lamp tubes mercury containing	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

This summary should not be used alone. The report must be read in its entirety.



Larry Koughan, CET, CRSP
Project Principal
ALL-TECH Environmental Services Limited

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SITE / CLIENT INFORMATION

Project No:	PE22400
Assessment Date:	**December 1, 2022**
Client Name:	**PEI Department of Transportation & Infrastructure**
Address:	Summerside Youth Center, 159 Greenwood Drive, Summerside, PE

1 INTRODUCTION

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This report has been prepared to document the identities, usages and locations of any designated substances and hazardous materials identified within the building.

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1.1 SURVEY OBJECTIVES

The scope of the survey was to conduct a non-destructive assessment to identify asbestos, lead, and PCBs within the subject building as well as any other suspect hazardous materials if encountered.
ALL-TECH inspected both interior and exterior spaces of the subject building to determine whether designated substances and hazardous materials were present. Representative sampling for suspect asbestos and lead paint materials was conducted as required based on industry standards and the consultant's experience.

1.2 BACKGROUND BUILDING INFORMATION

TABLE 1 BUILDING FRAMEWORK	
Building Use	Correctional Facility / Addictions center
Number of Floors	1
Total Area	Approximately 3,410 m^2
Year of Construction	1987
Structure	Wood; steel; brick
Exterior Cladding	Brick
HVAC	Fibreglass insulation
Roof	Flat membrane
Flooring	Vinyl sheet flooring, vinyl floor tiles, carpet, concrete
Interior Walls	Drywall; concrete block
Ceilings	Drywall

2 REGULATIONS & GUIDELINES

A summary table (Table 2) is provided for the applicable regulations, policies, codes, and / or guidelines of hazardous materials assessed for the purpose of this report. This information was used as reference to assess suspect hazardous materials and make recommendations based on the findings.

TABLE 2 SUMMARY OF REGULATORY FRAMEWORK	
ASBESTOS	▪ *Occupational Health and Safety Act* R.S.P.E.I. 1988, Cap. O-1.01 General Regulations – Part 49 (Including any amendments to May 2021). ▪ Guide to Asbestos Management, Workers Compensation Board of PEI. ▪ *Environmental Protection Act Chapter E-9 Waste Management Regulations*, Prince Edward Island ▪ Transportation of Dangerous Goods Act (TDGA)
LEAD	▪ Hazardous Products Act ▪ Prince Edward Island Department of Environment, Labour and Justice (PEIELJ) ▪ Transportation of Dangerous Goods Act (TDGA) ▪ The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair. ▪ Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
PCB's	▪ Environmental Contaminants Act, Chlorophenyl Regulations ▪ Environment Canada – "Identification of Lamp Ballasts Containing PCB's," report EPS 2/CC/2 (revised) August 1991 ▪ PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.

2.1 ASBESTOS

Asbestos materials can be found in one of two forms: friable asbestos or a non-friable type. Friable asbestos material refers to material that when dry, can be crumbled, pulverized, or reduced to a powder by hand pressure. This type of asbestos material is hazardous due to its potential to become airborne, if damaged or disturbed.

Friable asbestos building products used that have been used in the past are sprayed acoustic and fire protection insulation which were installed on mechanical room ceilings, building structures, ceiling finishes, etc., and mechanical insulation on piping, tanks, boilers, vessels, etc. Some non-friable building products are vinyl acoustic floor tiles, gaskets, transite panels, piping, and shingles.

Non-friable materials if handled improperly during removal or renovations, such as cutting transite panels with an electrical tool, can cause high fiber releases.

Asbestos is classified as a hazardous material under the TDGA and must adhere to specific requirements for transfer including but not limited to waste transfer manifests and proper placards. All asbestos waste must be disposed of at an approved municipal solid waste disposal site. Recent changes from the Prince Edward Island's Department of Environment's Environmental Protection Act, Waste Resource Management Regulations have defined asbestos as "special waste" as asbestos containing materials containing 1% or greater by weight for the purpose of disposal.

All work should be carried out by personnel trained and licensed with the provincial department of the Workers Compensation Board / Occupational Health and Safety Division for asbestos abatement.

2.2 LEAD

Lead in paints is regulated under the Canadian Environmental Protection Act (CEPA) as published in Canada Gazette Part II. The lead content limit has been set to 600 mg/kg (0.06 percent by weight) for surface coating materials.

Any disturbance or removal of lead-based materials which may generate lead dust shall have to conform to the federal and provincial Occupational Health and Safety Act and Regulations. All work should be carried out by personnel trained in the safe handling of lead-based paint coatings and shall be trained in the use of respirators and be properly fit tested.

PEIELJ has established guidelines that restrict hazardous materials from municipal landfills and Construction and Demolition (C&D) waste disposal sites which potentially may migrate / leach into groundwater and cause adverse environmental impacts. Lead coated surfaces may leach from their base materials into soil and subsequent groundwater. PEIELJ has established guidelines that materials containing 1000 mg/kg or 0.1% lead by weight shall be classified as lead-based paints. If materials are found to be above this guideline and require removal and disposal, then the materials must undergo

leachate testing to assess total concentrations which could potentially leach into the ground soil and groundwater. Presently provincial requirements for lead leachate testing shall not exceed 5 mg/L. Disposal criteria for lead containing paints are based on total and leachable concentrations are as follows:

- Materials with total lead concentrations below the applicable Total guidelines can be disposed of at any C&D disposal site.
- Materials with *total lead concentrations above* the applicable Total guidelines and *leachable lead concentrations below* the applicable Leachate guidelines must be disposed of at an approved municipal solid waste landfill that has a composite liner and leachate collection system (i.e., East Prince Waste Management Facility in Wellington, PEI). A waste generator permit must first be approved and obtained by PEIELJ.
- Materials with total and leachable lead concentrations above provincial guidelines must be transported to an approved hazardous waste disposal site.

Materials with leachable lead concentrations above provincial guidelines must be manifested as dangerous goods during transport under the federal TDGA. Hazardous materials that are being disposed of out of province must comply with Interprovincial Movement of Hazardous Waste Regulations under the Canadian Environmental Protection Act (CEPA).

2.3 POLYCHLORINATED BIPHENYLS (PCB's)

In 1976, the Canadian Environment Contaminants Act passed regulations which prohibited the use of PCBs in transformer equipment. Under the same Act, the Chlorophenyl Regulations No. 1, states that PCBs cannot be used as a constituent of electrical capacitors, electrical transformers and associated electrical equipment manufactured in or imported into Canada after July 1, 1980.
There is currently no regulatory requirement to remove in-use PCBs from service. However, should suspect PCB containing light ballasts be removed from service, they should be treated as PCB waste or if confirmed to contain PCB oil in excess of 0.5 kg.

3 METHODOLOGY

The scope of work for the survey was to visually identify controlled hazardous materials for the safe handling and disposal for the on-going management of any hazardous materials identified. Where visual identification of asbestos containing materials and lead based paints were suspect ted but unable to be determined, samples were collected and sent to an approved laboratory for analysis.

There was limited destructive testing of structural members (i.e., walls, flooring) during the assessment. Where accessible, areas above ceiling cavities and behind walls were visually assessed to identify potentially concealed hazardous materials.

3.1 ASBESTOS

Using standard bulk sampling methodologies, representative suspect asbestos containing materials were sampled from ceiling & wall finishes, floor coverings, located throughout the building. Samples were placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

The asbestos assessment involved a visual investigation of suspect materials for the presence of asbestos containing materials. If these materials were suspected to contain asbestos, a bulk sample was collected of the representative material to be analysed with Polarized Light Microscopy.

It should be noted that asbestos containing materials may be present behind unrevealed areas. During demolition of these materials, precautions should be taken such as the use of personal protective equipment in the event of exposing concealed asbestos materials. If suspect materials are revealed, have them tested immediately.

3.2 LEAD

During the assessment, suspect lead-based paints were sampled from surfaces as determined by the consultant. Where practical, all layers of paint were removed and placed in sealed plastic bags, labelled and a chain of custody form completed to be forwarded to IATL Laboratory via courier for analysis.

3.3 POLYCHLORINATED BIPHENYLS

During the assessment, suspect PCB containing light ballasts were examined for PCB identification or by recording serial numbers for reference. Ballasts were inspected and manufacturers name, date and serial numbers were recorded when visible. The manufacturers identification numbers were then compared to Environment Canada's "Identification of Lamp Ballasts Containing PCB's," Report EPS 2/CC/2 9revised), August 1991.

It should be noted that the assessment did not include the sampling / testing or analysis of the suspect PCB containing materials.

4 ASSESSMENT FINDINGS

4.1 ASBESTOS

During the survey, the consultant collected individual bulk material samples of suspect ACMs within the structure. Laboratory analysis certificates are presented in Appendix I.

Summerside Youth Center - Main Building

A total of twenty-seven (27) bulk samples were collected within the building during the survey. Limited suspect materials were encountered. Some drywall walls were encountered. Other walls were noted as brick and mortar. Of the 27 samples analyzed, none (0) were found to be asbestos containing.

Summerside Youth Center – Strength Program

A total of twenty (20) bulk samples were collected within the building during the survey. Limited suspect materials were encountered. Some drywall walls were encountered. Other walls were noted as brick and mortar. Of the 20 samples analyzed, none (0) were found to be asbestos containing.

Summerside Youth Center - Adult Female Building

A total of fifteen (15) bulk samples were collected within the building during the survey. Limited suspect materials were encountered. Some drywall walls were encountered. Other walls were noted as brick and mortar. Of the 15 samples analyzed, none (0) were found to be asbestos containing.

Other materials such as pipe and duct insulations visually identified as fiberglass insulation were noted and not sampled.

Individual items of suspect ACM materials sampled are itemized in each sub-section below.

4.1.1 Texture Coat Finishes

Texture coat finishes were not observed or reported during the assessment.	

4.1.2 Pipe Insulation

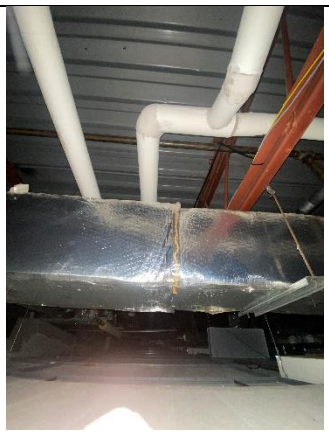
Pipe parging cement is present on pipe fittings as identified through various samples within the various phases of the building. A total of nine (9) parging cement samples were collected and none were found to be asbestos containing.

Straight sections of pipe are insulated with fiberglass pipe insulation as identified through visual observations in the various building phases.

Pipe elbows above ceiling tiles.

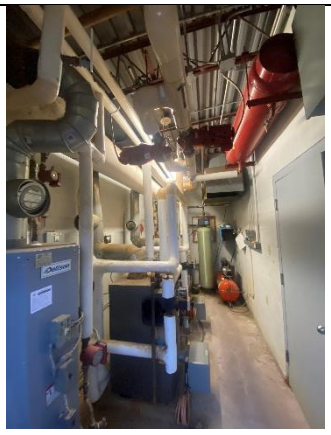
4.1.3 Duct Insulation

Mechanical duct insulations were visibly identified as fiberglass insulation.



4.1.4 Mechanical Equipment Insulation

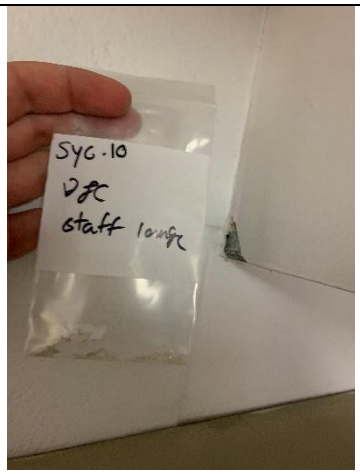
No mechanical equipment insulations were observed or reported.



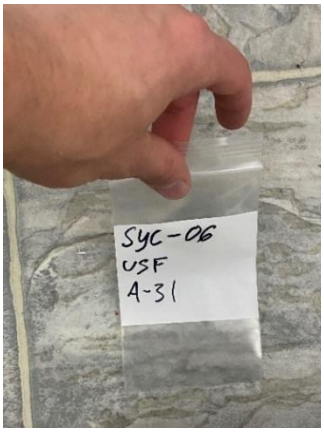
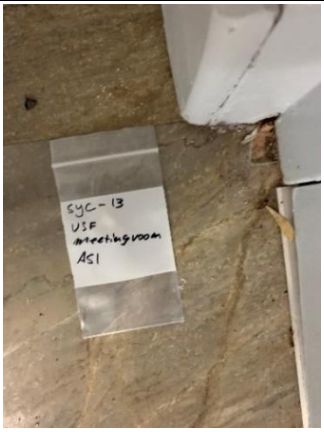
4.1.5 Plaster

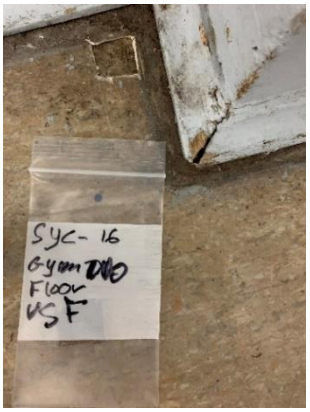
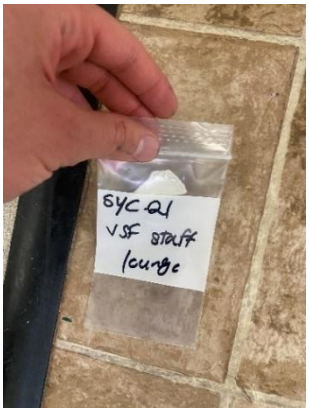
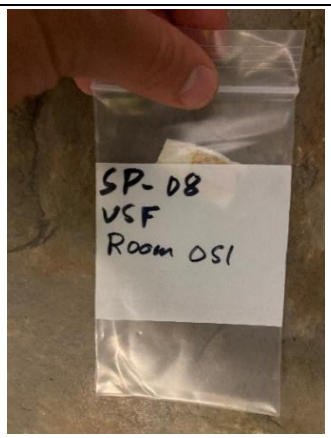
No plasters were observed or reported during the assessment.	

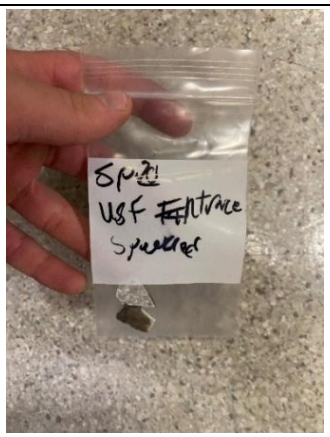
4.1.6 Drywall Joint Compound

Drywall joint compound walls and ceilings were noted and sampled in various random locations throughout the building. Representative sampling was completed in each phase of the building. A total of twenty-two (22) joint compound samples were collected during the assessment. None of the samples were found to be asbestos containing.	 Sample: SYC-10

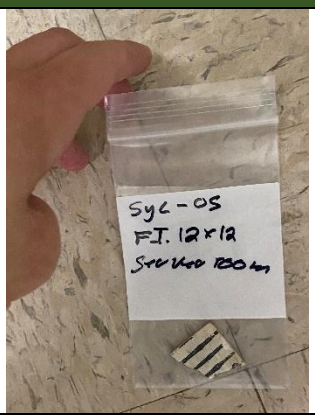
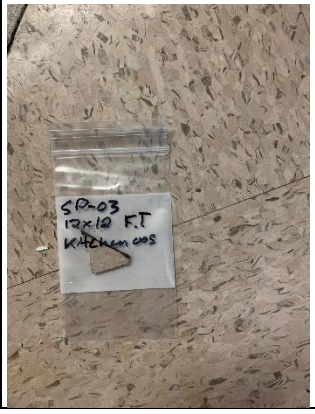
4.1.7 Vinyl Sheet Flooring

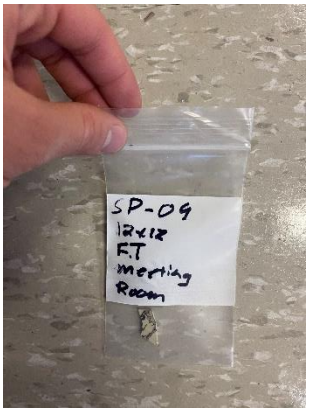
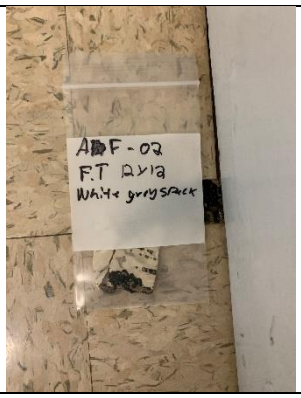
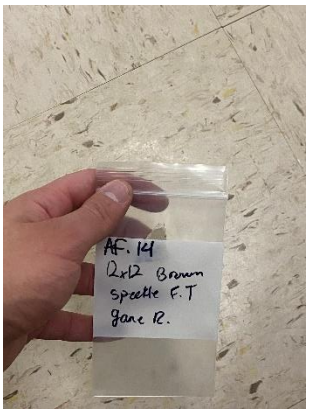
Sample No.:	Flooring Description	Building / Location	Asbestos Type / Content (%)	Photo
SYC-06	Grey vinyl sheet flooring	***Main Bldg.*** Room A31	None Detected	
SYC-13	Grey vinyl sheet flooring with mastic and levelling compound	***Main Bldg.*** Meeting Room A-51	None Detected in all phases	

SYC-16	Tan vinyl sheet flooring	***Main Bldg.*** Gymnasium	None Detected	
SYC-21	Grey vinyl sheet flooring	***Main Bldg.*** Staff Lounge	None Detected	
SYC-24	Off-White vinyl sheet flooring	***Main Bldg.*** Kitchen	None Detected	N/A
SP-04	Off-White vinyl sheet flooring with yellow mastic	***Strength Program*** Room 001	None Detected in all phases	
SP-08	Grey vinyl sheet flooring with yellow mastic	***Strength Program*** Room 051	None Detected in all phases	

SP-20	Grey speckled vinyl sheet flooring with yellow mastic	***Strength Program*** Room 001	None Detected in all phases	

4.1.8 Vinyl Floor Tiles

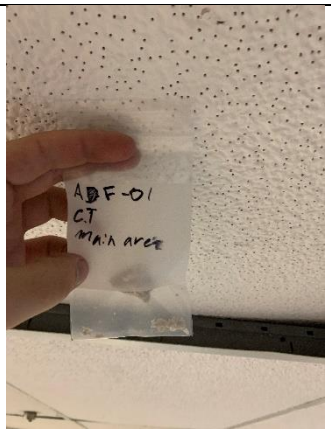
Sample No.:	***Flooring Description***	***Building / Location***	***Asbestos Type / Content (%)***	***Photo***
SYC-05 SYC-08 SYC-09 SYC-25	12” x 12” tan floor tile with black mastic	***Main Bldg.*** Room A08; A29; Dining area	None Detected in tile or mastic	
SP-03	12” x 12” beige floor tile with black mastic and levelling compound	***Strength Program*** Kitchen R-005	None Detected in all phases	

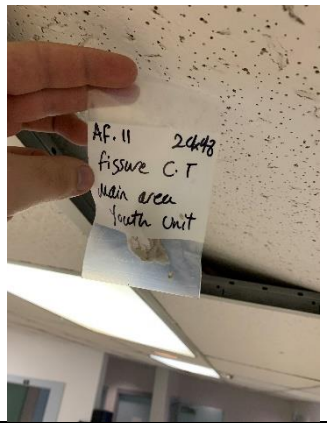
SP-09	12” x 12” grey floor tile with black mastic	***Strength Program*** Meeting room 023	None Detected in all phases	
AF-02	12” x 12” beige floor tile with black mastic	***Adult Female Bldg.*** Room 154	None Detected in all phases	
AF-14	12” x 12” off-white floor tile with black mastic	***Adult Female Bldg.*** Game room	None Detected in all phases	

4.1.9 Ceiling Tiles

In-lay acoustic fissure ceiling tiles were observed and sampled in various random locations throughout the various phases of the building.
Fissure and pinhole design ceiling tiles were observed, and random representative sampling was completed for each type of tiles encountered throughout the building.

A total of thirteen (13) ceiling tiles were collected during the assessment. None of the samples were found to contain asbestos.



4.1.10 Other Building Materials

No other suspect ACM building materials were observed or reported.	

4.1.11 Excluded Asbestos Materials

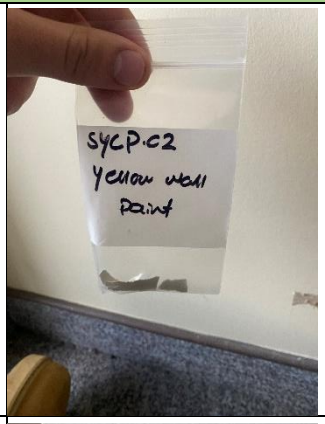
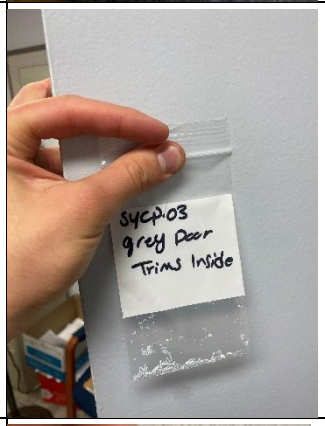
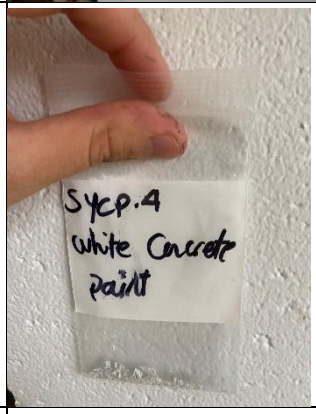
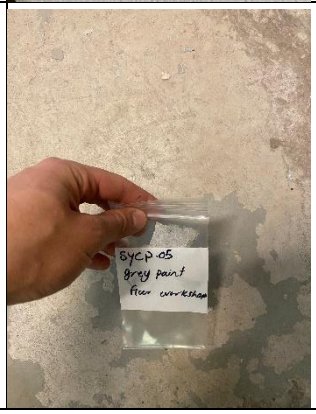
Based on sample results and the age of the building, roofing compounds are not anticipated to be asbestos containing.

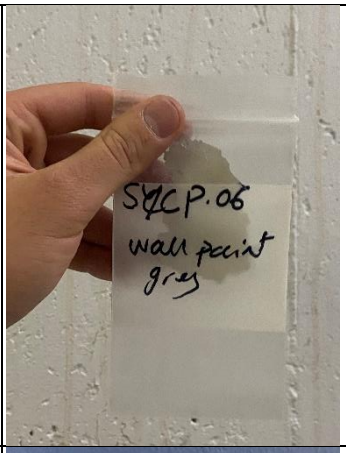
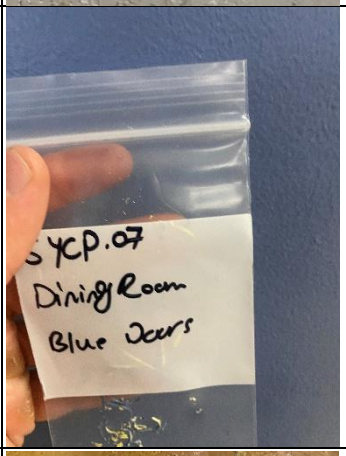
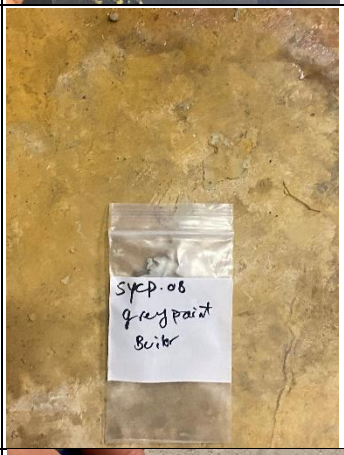
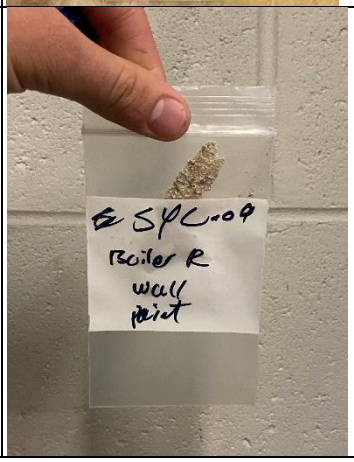
4.2 LEAD-BASED PAINTS

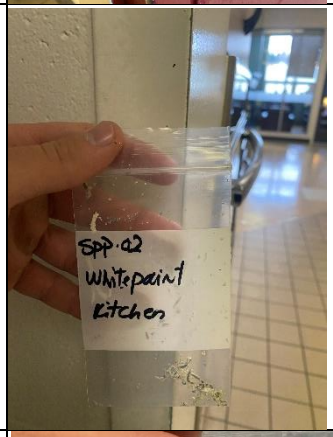
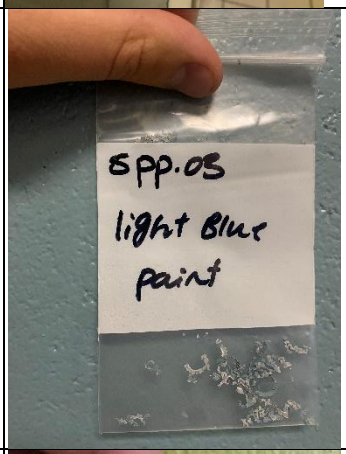
A total of twenty-one (21) painted surface coatings were sampled within the various building phases and sent to the laboratory for analysis for lead in paint.

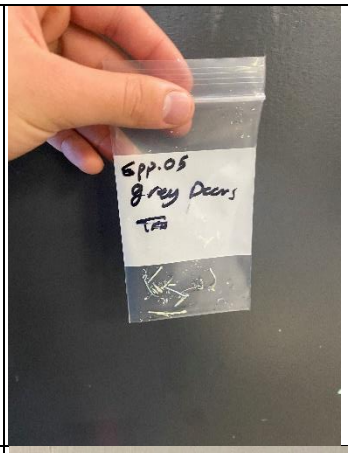
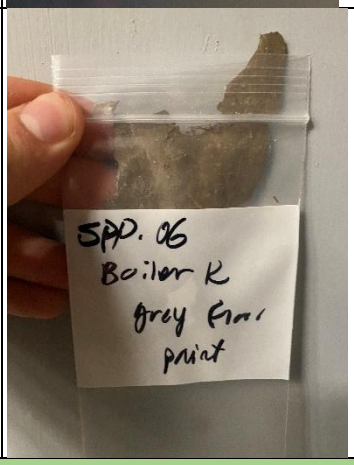
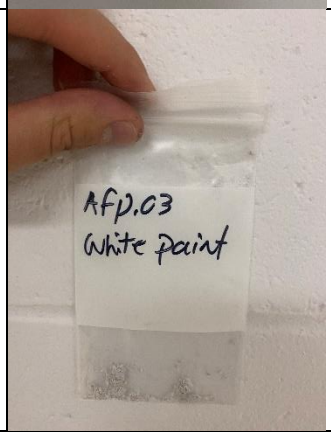
Based on the assessment findings, two (2) of the paint layers sampled exceeded CEPA guidelines of 0.06 percent by weight for surface coating materials. Exceedances are noted in bold red in the table below.

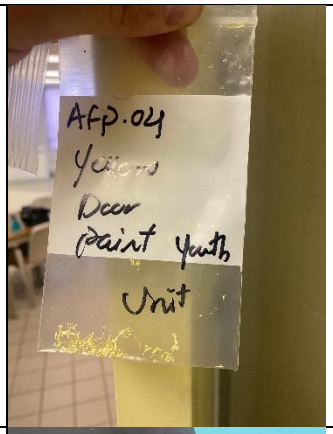
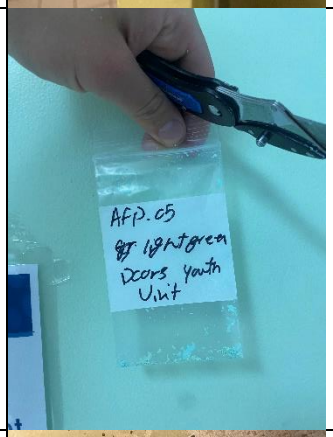
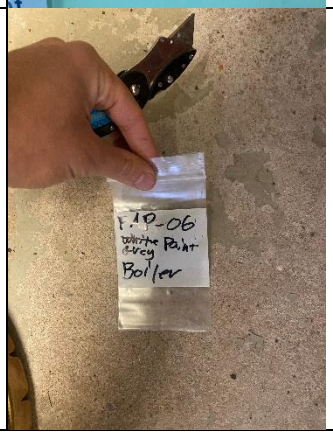
Laboratory analysis certificate is presented in Appendix II.

Sample No.:	Colour / Substrate Description	Location	Lead Content (%)	Photo
Main Building				
SYCP-02	Yellow paint / Wall surface	Room A03	< 0.0082	
SYCP-03	Grey paint / Door trim	Room A06	< 0.020	
SYCP-04	White paint / Concrete walls	Room A15	< 0.017	
SYCP-05	Grey paint / Concrete floor	Workshop	0.042	

SYCP-06	Grey paint / Concrete wall	Workshop	< 0.076	
SYCP-07	Blue paint / Door	Dining Room	< 0.019	
SYCP-08	Grey paint / Concrete floor	Boiler room	0.058	
SYCP-09	Off-white paint / Concrete wall	Boiler room	< 0.0079	

Strength Program				
SPP-01	Red paint / Concrete / wood wall	Entrance	0.031	
SPP-02	White paint / Concrete wall	Kitchen	< 0.0096	
SPP-03	Light blue paint / Concrete wall	Main area	0.035	
SPP-04	Green paint / Concrete wall	Main area	< 0.0088	

SPP-05	Grey paint / Door	Main area	< 0.011	
SPP-06	Grey paint / Concrete floor	Boiler room	**0.18**	
Adult Female Building				
AFP-01	Light blue paint / Door	Main area	<0.017	
AFP-03	White paint / Concrete wall	Main area	<0.0085	

AFP-04	Yellow paint / Door	Youth unit	<0.018	
AFP-05	Light green paint / Door	Youth unit	<0.0093	
AFP-06	Grey paint / Concrete floor	Boiler room	**0.14**	

4.3 POLYCHLORINATED BIPHENYLS (PCB's)

Newer recessed light fixtures were observed throughout the building. Ballasts observed and reported were SYLVANIA ballasts. Manufacturer's labels were marked as No PCB's.

Based on the age of the building and ballasts assessed, it was determined that the on-site ballasts are non-PCB containing.

Electrical transformers were not found or reported during the assessment.

4.4 SILICA

Crystalline silica is a presumed component of the following materials:

- Poured or pre-cast concrete (foundation footing; floors)
- Masonry and mortar (concrete block; exterior brick)

4.5 MERCURY

4.5.1 Lighting

Mercury vapour is present in fluorescent lamp tubes.

4.5.2 Mercury Containing Devices

No mercury containing thermostats ampules were reported.

5 SUMMARY OF HAZARDOUS MATERIALS

A summary of the Hazardous Materials identified within the building is provided below in Table 3 based on our assessment as well as safe handling requirements.

Hazardous materials identified through sampling or visual assessment are noted in section 4 and are summarized in Appendix IV.

Upon review of this report and based on any planned work, renovations or demolition, a full scope of work should be developed. This scope of work will be dependent upon which materials need to be disturbed or removed prior to the renovations.

TABLE 3
Summary of Hazardous Materials
Summerside Youth Centre

Hazardous Materials	*Description / Comments*	*Safe Handling Requirements*	*Disposal Requirements*
LEAD	Grey paint on concrete floors (Boiler Rooms – Strength Program Building & Youth / Adult Female Building)	TDG – manifest Trained personnel in the safe handling of lead coated surfaces and all other pertinent sections of the *Occupational Health and Safety Act* R.S.P.E.I	Regulatory approval from PEIELJ Additional analysis required for TCLP for disposal purposes, if required.

SILICA	Presumed in the following building components: • Poured or pre-cast concrete (foundation footing; floors) • Masonry and mortar (concrete block; exterior brick)	Trained personnel in the safe handling of silica dust and all other pertinent sections of the *Occupational Health and Safety Act* R.S.P.E.I	Regulatory approval from PEIELJ
MERCURY	fluorescent lamp tubes mercury containing	Do not break lamps or separate liquid mercury from components	Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable Regulations.

6 ON-GOING MANAGEMENT & MAINTENANCE

The following recommendations are made regarding on-going management and maintenance work involving the hazardous materials identified.

6.1 Lead

For lead-containing or lead-based paints (i.e., greater than the CEPA guidelines of 600 mg/kg (0.06 percent by weight) for surface coating materials, work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Occupational Health and Safety regulations and Lead guidelines.

Dispose of painted materials exceeding the criteria for leachable lead as hazardous waste.

6.2 Silica

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with applicable regulations and guidelines.

6.3 Mercury

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps and thermostats when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

7 DISCLAIMER

The recommendations detailed in this report were carried out in a manner consistent with the level of care and skill normally exercised by reasonable members of the environmental and industrial hygiene consulting profession currently practicing under similar conditions in the area.
In preparing this report, ALL-TECH Environmental Services Limited relied on information supplied by others, including independent laboratories, and testing services. Except as expressly set out in this report, we have not made any independent verification of such information.

The recommendations in this report have been made in the context of existing industry accepted guidelines which were in place at the date of this report.

We trust this information is beneficial for assisting you in better understanding the process that has been carried out as well as the benefits and limitations of air sample results.

Should you have any questions or concerns pertaining to this report, please contact the undersigned directly.

Larry G. Koughan, CET, CRSP
Senior Project Consultant

ALL-TECH
ENVIRONMENTAL SERVICES LIMITED

CANADIAN SOCIETY OF SAFETY ENGINEERING
MEMBER

APPENDIX I

Laboratory Certificate of Analysis – Asbestos PLM Samples

Main Building

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541759 **Analyst Observation:** Tan Ceiling Tile **Location:** A-03
Client No.: SYC-01 **Client Description:** 24x48 Dotted Ceiling Tile **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	35 Cellulose 15 Fibrous Glass	50

Lab No.: 7541760 **Analyst Observation:** Yellow Ceiling Tile **Location:** A-03
Client No.: SYC-02 **Client Description:** 24x48 Dotted Ceiling Tile **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	99 Fibrous Glass	1

Lab No.: 7541761 **Analyst Observation:** White Joint Compound **Location:** A-07
Client No.: SYC-03 **Client Description:** Drywall Joint Compound **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Note: No drywall present.

Lab No.: 7541762 **Analyst Observation:** White Joint Compound **Location:** A-06
Client No.: SYC-04 **Client Description:** Drywall Joint Compound **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Note: No drywall present.

Lab No.: 7541763 **Analyst Observation:** Lt Tan Floor Tile **Location:** A-08
Client No.: SYC-05 **Client Description:** 12x12 Floor Tile **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Lab No.: 7541763(L2) **Analyst Observation:** Black Mastic **Location:** A-08
Client No.: SYC-05 **Client Description:** 12x12 Floor Tile **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	1 Cellulose	99

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541764 | **Analyst Observation:** Grey Vinyl Sheet Flooring | **Location:** A-31
Client No.: SYC-06 | **Client Description:** Vinyl Sheet Flooring | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 10 Cellulose, 1 Fibrous Glass
Percent Non-Fibrous Material: 89

Note: No mastic present

Lab No.: 7541765 | **Analyst Observation:** Lt Tan Drywall | **Location:** A-48
Client No.: SYC-07 | **Client Description:** Drywall Joint Compound | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 30 Cellulose
Percent Non-Fibrous Material: 70

Lab No.: 7541765(L2) | **Analyst Observation:** White Joint Compound | **Location:** A-48
Client No.: SYC-07 | **Client Description:** Drywall Joint Compound | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7541766 | **Analyst Observation:** Lt Tan Floor Tile | **Location:** A-29
Client No.: SYC-08 | **Client Description:** Floor Tile | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7541766(L2) | **Analyst Observation:** Black Mastic | **Location:** A-29
Client No.: SYC-08 | **Client Description:** Floor Tile | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 1 Cellulose
Percent Non-Fibrous Material: 99

Lab No.: 7541767 | **Analyst Observation:** Lt Tan Floor Tile | **Location:** A-29
Client No.: SYC-09 | **Client Description:** Floor Tile | **Facility:**

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541767(L2)
Client No.: SYC-09
Analyst Observation: Black Mastic
Client Description: Floor Tile
Location: A-29
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 7541768
Client No.: SYC-10
Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound
Location: A-15 Staff Lounge
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7541769
Client No.: SYC-11
Analyst Observation: Tan Ceiling Tile
Client Description: 24x48 Pin Holes Ceiling
Location: A-15 Staff Lounge
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
45

Lab No.: 7541770
Client No.: SYC-12
Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Location: Meeting Room A-51
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7541771
Client No.: SYC-13
Analyst Observation: Grey Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Location: Meeting Room A-51
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Lab No.: 7541771(L2)
Client No.: SYC-13
Analyst Observation: Off-White/Grey Mastic/Leveling Compound
Client Description: Vinyl Sheet Flooring
Location: Meeting Room A-51
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541772 | **Analyst Observation:** Grey Insulation | **Location:** Room Above A-51
Client No.: SYC-14 | **Client Description:** Pipe Parging | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose 10 Fibrous Glass	80

Lab No.: 7541773 | **Analyst Observation:** Grey Insulation | **Location:** Room Above A-51
Client No.: SYC-15 | **Client Description:** Pipe Parging | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose 10 Fibrous Glass	80

Lab No.: 7541774 | **Analyst Observation:** Tan Flooring | **Location:** Gym
Client No.: SYC-16 | **Client Description:** Vinyl Sheet Flooring | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Insufficient mastic to analyze

Lab No.: 7541775 | **Analyst Observation:** Lt Tan Drywall | **Location:** Gym
Client No.: SYC-17 | **Client Description:** Drywall Joint Compound | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose	90

Note: No joint compound present

Lab No.: 7541776 | **Analyst Observation:** Lt Tan Drywall | **Location:** Gym
Client No.: SYC-18 | **Client Description:** Drywall Joint Compound | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	10 Cellulose	90

Lab No.: 7541776(L2) | **Analyst Observation:** Off-White Joint Compound | **Location:** Gym
Client No.: SYC-18 | **Client Description:** Drywall Joint Compound | **Facility:**

Percent Asbestos:	Percent Non-Asbestos Fibrous Material:	Percent Non-Fibrous Material:
None Detected	None Detected	100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541777
Client No.: SYC-19
Analyst Observation: Lt Tan Drywall
Client Description: Drywall Joint Compound
Location: Recreation Work Office
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
20 Cellulose

Percent Non-Fibrous Material:
80

Lab No.: 7541777(L2)
Client No.: SYC-19
Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound
Location: Recreation Work Office
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7541778
Client No.: SYC-20
Analyst Observation: Tan Ceiling Tile
Client Description: Ceiling Tile
Location: Library
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
50

Lab No.: 7541779
Client No.: SYC-21
Analyst Observation: Grey Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Location: Staff Lounge
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose
15 Fibrous Glass

Percent Non-Fibrous Material:
70

Lab No.: 7541780
Client No.: SYC-22
Analyst Observation: Grey Insulation
Client Description: Pipe Parging
Location: Basement
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
80

Lab No.: 7541781
Client No.: SYC-23
Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound
Location: Workshop
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674726 - PLM
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7541782
Client No.: SYC-24
Analyst Observation: Grey/Off-White Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Location: Kitchen
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Fibrous Glass

Percent Non-Fibrous Material:
99

Note: No mastic present

Lab No.: 7541783
Client No.: SYC-25
Analyst Observation: Lt Tan Floor Tile
Client Description: 12x12 Tan Floor Tile
Location: Dining
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No mastic present

Lab No.: 7541784
Client No.: SYC-26
Analyst Observation: Grey Insulation
Client Description: Pipe Parging
Location: Boiler Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
80

Lab No.: 7541785
Client No.: 26 LABEL 27
Analyst Observation: Grey Insulation
Client Description: Pipe Parging
Location: Boiler Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
80

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Ellen Smith

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/22/2022
	20 Duke St.,Suite 109	Report No.:	674726 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Main Bldg
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report

Customer Contact:
Method:40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager:wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Bulk Building Materials
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

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CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/22/2022
	20 Duke St.,Suite 109	Report No.:	674726 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Main Bldg
		Project No.:	PE22400
Client:	ALL131		

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com**.

1) Note: No mastic provided for analysis.
2) Note: Insufficient mastic provided for analysis.
3) Note: Insufficient material provided for analysis.
4) Note: Insufficient sample provided for QC reanalysis.
5) Note: Different material than indicated on Sample Log / Description.
6) Note: Sample not submitted.
7) Note: Attached to asbestos containing material.
8) Note: Received wet.
9) Note: Possible surface contamination.
10) Note: Not building material. 1% threshold may not apply.
11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
12) Note: Asbestos detected but not quantifiable.
13) Note: Multiple identical samples submitted, only one analyzed.
14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites).Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: “ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite.”

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1)**Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

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Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

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	20 Duke St.,Suite 109	Report No.:	674726 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Main Bldg
		Project No.:	PE22400
Client:	ALL131		

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.
*With advance notice and confirmation by the laboratory.
**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other that SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

Strength Program

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675010 - PLM
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543457
Client No.: SP-01
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Dotted Ceiling Tile - Texture Dots
Location: Kitchen R-005
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7543458
Client No.: SP-02
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Dotted Ceiling Tile - Flat
Location: Kitchen R-005
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
50 Mineral Wool
30 Cellulose

Percent Non-Fibrous Material:
20

Lab No.: 7543459
Client No.: SP-03
Analyst Observation: White Floor Tile
Client Description: 12x12 Floor Tile
Location: Kitchen R-005
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543459(L2)
Client No.: SP-03
Analyst Observation: Black Mastic
Client Description: 12x12 Floor Tile
Location: Kitchen R-005
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543459(L3)
Client No.: SP-03
Analyst Observation: Off-White Leveling Compound
Client Description: 12x12 Floor Tile
Location: Kitchen R-005
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543460
Client No.: SP-04
Analyst Observation: Off-White Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Location: R-001
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
3 Fibrous Glass

Percent Non-Fibrous Material:
97

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/23/2022
Signature:
Analyst: Michael Moore

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675010 - PLM
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543460(L2)
Client No.: SP-04
Analyst Observation: Off-White/Yellow Leveling Compound / Mastic
Client Description: Vinyl Sheet Flooring
Location: R-011
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7543461
Client No.: SP-05
Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Location: Bathroom 021
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7543462
Client No.: SP-06
Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Location: Copier Supply Room 007
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Lab No.: 7543463
Client No.: SP-07
Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound
Location: Bathroom R-010
Facility:

Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: None Detected
Percent Non-Fibrous Material: 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/23/2022
Signature:
Analyst: Michael Moore

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675010 - PLM
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543464
Client No.: SP-08
Analyst Observation: Grey Vinyl Sheet Flooring
Client Description: Vinyl Sheet Flooring
Location: R-051
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
60

Lab No.: 7543464(L2)
Client No.: SP-08
Analyst Observation: Yellow Mastic
Client Description: Vinyl Sheet Flooring
Location: R-051
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543465
Client No.: SP-09
Analyst Observation: Grey Floor Tile
Client Description: 12x12 Floor Tile
Location: Meeting Room 023
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543465(L2)
Client No.: SP-09
Analyst Observation: Black Mastic
Client Description: 12x12 Floor Tile
Location: Meeting Room 023
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543466
Client No.: SP-10
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Dotted Ceiling Tile - Texture Dots
Location: Meeting Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
30 Fibrous Glass

Percent Non-Fibrous Material:
10

Lab No.: 7543467
Client No.: SP-11
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Dotted Ceiling Tile - Flat
Location: R-025
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
30 Fibrous Glass

Percent Non-Fibrous Material:
10

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/27/2022
Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
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Client: ALL131

Report Date: 12/23/2022
Report No.: 675010 - PLM
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543468
Client No.: SP-12

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: Bathroom A-43
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7543468(L2)
Client No.: SP-12

Analyst Observation: White Texture
Client Description: Drywall Joint Compound

Location: Bathroom A-43
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543469
Client No.: SP-13

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Bathroom 033
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7543470
Client No.: SP-14

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: R-046
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Note: No drywall present.

Lab No.: 7543470(L2)
Client No.: SP-14

Analyst Observation: White Texture
Client Description: Drywall Joint Compound

Location: R-046
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543471
Client No.: SP-15

Analyst Observation: White Ceiling Tile
Client Description: 24x48 Dotted Ceiling Tile - Texture Dots

Location: Living Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
60 Cellulose
30 Fibrous Glass

Percent Non-Fibrous Material:
10

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/27/2022
Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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20 Duke St.,Suite 109
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Client: ALL131

Report Date: 12/23/2022
Report No.: 675010 - PLM
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543472
Client No.: SP-16

Analyst Observation: Off-White Joint Compound
Client Description: Drywall Joint Compound

Location: R-041
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543473
Client No.: SP-17

Analyst Observation: Tan Insulation
Client Description: Pipe Parging

Location: Above Ceiling in Kitchen
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
60

Lab No.: 7543474
Client No.: SP-18

Analyst Observation: Tan Insulation
Client Description: Pipe Parging

Location: Above Ceiling Outside R-011
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
60

Lab No.: 7543475
Client No.: SP-19

Analyst Observation: Grey Insulation
Client Description: Pipe Parging

Location: Above Ceiling in Living Room
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
30 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
60

Sample received wet

Lab No.: 7543476
Client No.: SP-20

Analyst Observation: Grey Vinyl Sheet Flooring
Client Description: Speckled Vinyl Sheet Flooring

Location: R-001
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
20 Cellulose
10 Fibrous Glass

Percent Non-Fibrous Material:
70

Lab No.: 7543476(L2)
Client No.: SP-20

Analyst Observation: Yellow Mastic
Client Description: Speckled Vinyl Sheet Flooring

Location:
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/27/2022
Signature:
Analyst: Aidan Becker

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

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	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre, Strength Program
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report

Customer Contact:
Method: 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Bulk Building Materials
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

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		Project No.:	PE22400
Client:	ALL131		

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Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

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Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites).Please contact your client representative for pricing and turnaround time options available.

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Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1)**Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

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	20 Duke St.,Suite 109	Report No.:	675010 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre, Strength Program
		Project No.:	PE22400
Client:	ALL131		

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.
*With advance notice and confirmation by the laboratory.
**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other that SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

Youth Centre / Adult Female Building

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675008 - PLM
Project: Summerside Youth Centre Adult Female Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543441
Client No.: AF-01
Analyst Observation: White Ceiling Tile
Client Description: Ceiling Tile
Location: Main Area
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
35 Cellulose
40 Mineral Wool

Percent Non-Fibrous Material:
25

Lab No.: 7543442
Client No.: AF-02
Analyst Observation: White/Grey Floor Tile
Client Description: 12x12 Floor Tile White/Grey Speck
Location:
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543442(L2)
Client No.: AF-02
Analyst Observation: Black Mastic
Client Description: 12x12 Floor Tile White/Grey Speck
Location:
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543443
Client No.: AF-03
Analyst Observation: Lt Tan Joint Compound
Client Description: Drywall Joint Compound
Location: Kitchen
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543444
Client No.: AF-04
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Texture Doted Ceiling Tile
Location: R-155
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
45 Cellulose
30 Mineral Wool

Percent Non-Fibrous Material:
25

Lab No.: 7543445
Client No.: AF-05
Analyst Observation: Lt Tan Joint Compound
Client Description: Drywall Joint Compound
Location: Bathroom R-137
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/23/2022
Signature:
Analyst: Dean Andrews

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675008 - PLM
Project: Summerside Youth Centre Adult Female Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543446
Client No.: AF-06
Analyst Observation: Lt Tan Joint Compound
Client Description: Drywall Joint Compound
Location: Bathroom R-142
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543447
Client No.: AF-07
Analyst Observation: White/Tan Insulation
Client Description: Pipe Parging
Location: Above Ceiling Tile R-155
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose
20 Mineral Wool

Percent Non-Fibrous Material:
65

Lab No.: 7543448
Client No.: AF-08
Analyst Observation: White/Tan Insulation
Client Description: Pipe Parging
Location: Above Ceiling Tile Common Area
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose
25 Mineral Wool

Percent Non-Fibrous Material:
60

Lab No.: 7543449
Client No.: AF-09
Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound
Location: Main Area
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543450
Client No.: AF-10
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Texture Doted Ceiling Tile
Location: Youth Unit
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543451
Client No.: AF-11
Analyst Observation: White Ceiling Tile
Client Description: 24x48 Texture Fissure Ceiling Tile
Location: Youth Unit
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
40 Mineral Wool
25 Cellulose

Percent Non-Fibrous Material:
35

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/23/2022
Signature:
Analyst: Dean Andrews

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/23/2022
Report No.: 675008 - PLM
Project: Summerside Youth Centre Adult Female Bldg
Project No.: PE22400

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7543452
Client No.: AF-12

Analyst Observation: White Joint Compound
Client Description: Drywall Joint Compound

Location: Main Area Youth Unit
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543453
Client No.: AF-13

Analyst Observation: Lt Tan Joint Compound
Client Description: Drywall Joint Compound

Location: Washroom Youth Unit
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543454
Client No.: AF-14

Analyst Observation: Brown Floor Tile
Client Description: 12x12 Brown Floor Tile Speck

Location: Game Rm
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543454(L2)
Client No.: AF-14

Analyst Observation: Black Mastic
Client Description: 12x12 Brown Floor Tile Speck

Location: Game Rm
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 7543455
Client No.: AF-15

Analyst Observation: Yellow Insulation
Client Description: Pipe Parging

Location: Above Ceiling Tile In Youth Unit
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
15 Cellulose
20 Mineral Wool

Percent Non-Fibrous Material:
65

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/23/2022
Signature:
Analyst: Dean Andrews

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/23/2022
	20 Duke St.,Suite 109	Report No.:	675008 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Adult Female Bldg
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report

Customer Contact:
Method:40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager:wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Bulk Building Materials
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/23/2022
	20 Duke St.,Suite 109	Report No.:	675008 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Adult Female Bldg
		Project No.:	PE22400
Client:	ALL131		

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com**.

1) Note: No mastic provided for analysis.
2) Note: Insufficient mastic provided for analysis.
3) Note: Insufficient material provided for analysis.
4) Note: Insufficient sample provided for QC reanalysis.
5) Note: Different material than indicated on Sample Log / Description.
6) Note: Sample not submitted.
7) Note: Attached to asbestos containing material.
8) Note: Received wet.
9) Note: Possible surface contamination.
10) Note: Not building material. 1% threshold may not apply.
11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
12) Note: Asbestos detected but not quantifiable.
13) Note: Multiple identical samples submitted, only one analyzed.
14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites).Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: “ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite.”

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite (https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf)

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1)**Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% for most samples.

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/23/2022
	20 Duke St.,Suite 109	Report No.:	675008 - PLM
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Adult Female Bldg
		Project No.:	PE22400
Client:	ALL131		

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.
*With advance notice and confirmation by the laboratory.
**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other that SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

APPENDIX II

Laboratory Certificate of Analysis – Lead Paint Samples

Main Building

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674710 - Lead Paint
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7541452 **Description:** White Decor Trim Paint **Result (% by Weight):** <Void
Client No.: SYCP-01 **Location:** A-03 **Result (ppm):** <Void
Comments: **

Lab No.: 7541453 **Description:** Yellow Wall Paint **Result (% by Weight):** <0.0082
Client No.: SYCP-02 **Location:** A-03 **Result (ppm):** <82
Comments:

Lab No.: 7541454 **Description:** Grey Door Trim Paint **Result (% by Weight):** <0.020
Client No.: SYCP-03 **Location:** A-06 **Result (ppm):** <200
Comments: *

Lab No.: 7541455 **Description:** White Paint **Result (% by Weight):** <0.017
Client No.: SYCP-04 **Location:** A-15 **Result (ppm):** <170
Comments: *

Lab No.: 7541456 **Description:** Grey Floor Paint **Result (% by Weight):** 0.042
Client No.: SYCP-05 **Location:** Workshop **Result (ppm):** 420
Comments:

Lab No.: 7541457 **Description:** Grey Paint **Result (% by Weight):** <0.0076
Client No.: SYCP-06 **Location:** Workshop wall **Result (ppm):** <76
Comments:

Lab No.: 7541458 **Description:** Blue Door Paint **Result (% by Weight):** <0.019
Client No.: SYCP-07 **Location:** Dining Rm **Result (ppm):** <190
Comments: *

Lab No.: 7541459 **Description:** Grey Paint **Result (% by Weight):** 0.058
Client No.: SYCP-08 **Location:** Boiler **Result (ppm):** 580
Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/22/2022
Report No.: 674710 - Lead Paint
Project: Summerside Youth Centre Main Bldg
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7541460
Client No.: SYCP-09

Description: Off-White Wall Paint
Location: Boiler

Result (% by Weight): <0.0079
Result (ppm): <79
Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/16/2022
Date Analyzed: 12/22/2022
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/22/2022
	20 Duke St.,Suite 109	Report No.:	674710 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Main Bldg
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report:

Customer Contact:
Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager:wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Paint
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:
- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188
- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation.
All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.
Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B.
Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.
LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

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Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/22/2022
	20 Duke St.,Suite 109	Report No.:	674710 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Main Bldg
		Project No.:	PE22400
Client:	ALL131		

* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

Strength Program

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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Mt. Laurel, New Jersey 08054
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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/28/2022
Report No.: 675001 - Lead Paint
Project: Summerside Youth Centre, Strength Program
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7543383 **Description:** Red Paint **Result (% by Weight):** 0.031
Client No.: SPP-01 **Location:** Entrance **Result (ppm):** 310
Comments:

Lab No.: 7543384 **Description:** White Paint **Result (% by Weight):** <0.0096
Client No.: SPP-02 **Location:** Kitchen **Result (ppm):** <96
Comments: ***

Lab No.: 7543385 **Description:** Lt Blue Paint **Result (% by Weight):** 0.035
Client No.: SPP-03 **Location:** **Result (ppm):** 350
Comments: *

Lab No.: 7543386 **Description:** Green Paint **Result (% by Weight):** <0.0088
Client No.: SPP-04 **Location:** Wall **Result (ppm):** <88
Comments:

Lab No.: 7543387 **Description:** Grey Paint **Result (% by Weight):** <0.011
Client No.: SPP-05 **Location:** Door **Result (ppm):** <110
Comments: *

Lab No.: 7543388 **Description:** Grey Floor Paint **Result (% by Weight):** 0.18
Client No.: SPP-06 **Location:** Boiler **Result (ppm):** 1800
Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/28/2022
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/28/2022
	20 Duke St.,Suite 109	Report No.:	675001 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre, Strength Program
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report:

Customer Contact:
Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager:wchampion@iatl.com
iATL Account Representative: Semih Kocahasan
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Paint
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:
- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188
- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation.
All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.
Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B.
Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.
LSD=0.2 ppm MDL=0.006% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

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Telephone: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client:	ALL-TECH Environmental Services Limited	Report Date:	12/28/2022
	20 Duke St.,Suite 109	Report No.:	675001 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre, Strength Program
		Project No.:	PE22400
Client:	ALL131		

* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

Youth Centre / Adult Female Building

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: ALL-TECH Environmental Services Limited
20 Duke St.,Suite 109
Bedford NS B4A 2Z5

Client: ALL131

Report Date: 12/28/2022
Report No.: 675000 - Lead Paint
Project: Summerside Youth Centre Adult Female Bldg
Project No.: PE22400

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7543377 **Description:** Lt Blue Paint **Result (% by Weight):** <0.017
Client No.: AFP-01 **Location:** Door **Result (ppm):** <170
Comments: *

Lab No.: 7543378 **Description:** Grey Paint **Result (% by Weight):** <Void
Client No.: AFP-02 **Location:** Trim **Result (ppm):** <Void
Comments: **

Lab No.: 7543379 **Description:** White Paint **Result (% by Weight):** <0.0085
Client No.: AFP-03 **Location:** **Result (ppm):** <85
Comments:

Lab No.: 7543380 **Description:** Yellow Paint **Result (% by Weight):** <0.018
Client No.: AFP-04 **Location:** Youth Unit Door **Result (ppm):** <180
Comments: *

Lab No.: 7543381 **Description:** Lt Green Paint **Result (% by Weight):** <0.0093
Client No.: AFP-05 **Location:** Youth Unit Door **Result (ppm):** <93
Comments:

Lab No.: 7543382 **Description:** Grey Paint **Result (% by Weight):** 0.14
Client No.: AFP-06 **Location:** Boiler **Result (ppm):** 1400
Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/20/2022
Date Analyzed: 12/28/2022
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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	20 Duke St.,Suite 109	Report No.:	675000 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Adult Female Bldg
		Project No.:	PE22400
Client:	ALL131		

Appendix to Analytical Report:

Customer Contact:
Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

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Certification:
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CERTIFICATE OF ANALYSIS

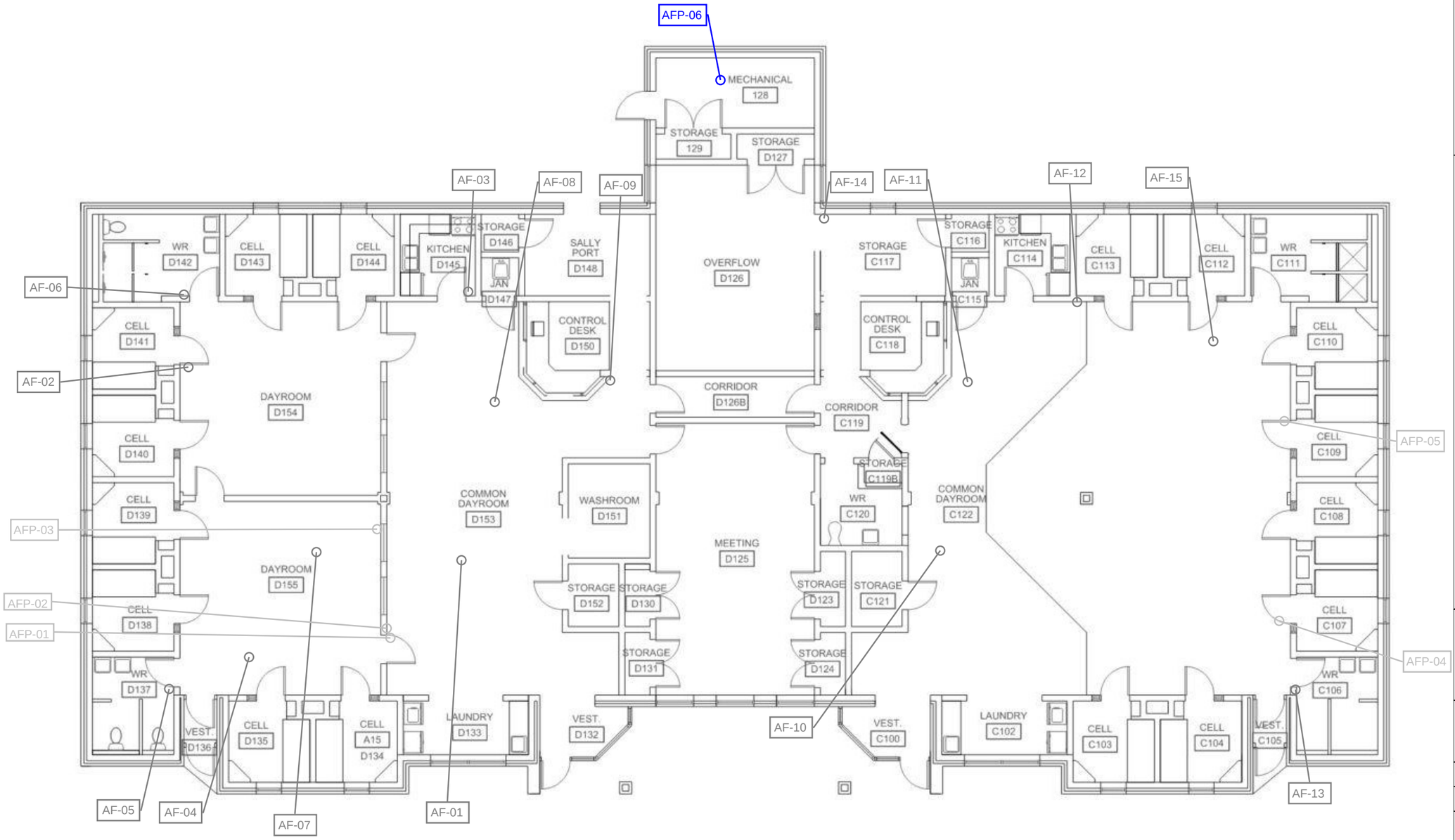
Client:	ALL-TECH Environmental Services Limited	Report Date:	12/28/2022
	20 Duke St.,Suite 109	Report No.:	675000 - Lead Paint
	Bedford NS B4A 2Z5	Project:	Summerside Youth Centre Adult Female Bldg
		Project No.:	PE22400
Client:	ALL131		

* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).

APPENDIX III

Site Drawings with sample locations



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ASBESTOS SURVEY BY

ALL-TECH ENVIRONMENTAL SERVICES LIMITED

162 TRIDER CRESCENT
DARTMOUTH, NOVA SCOTIA
B3B 1R6

ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- [A] = APPLIANCE
- [M] = MECHANICAL
- [P] = PIPE MATERIAL
- [D] = DUCT WORK
- [E] = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL
- AF-00 = SAMPLE NUMBER ASBESTOS DETECTED
- AF-00 = SAMPLE NUMBER NO ASBESTOS DETECTED
- AFP-00 = SAMPLE NUMBER LEAD DETECTED
- AFP-00 = SAMPLE NUMBER NO LEAD DETECTED

projet

PE22400
SUMMERSIDE
YOUTH CENTRE
159 GREENWOOD DR
SUMMERSIDE, PEI

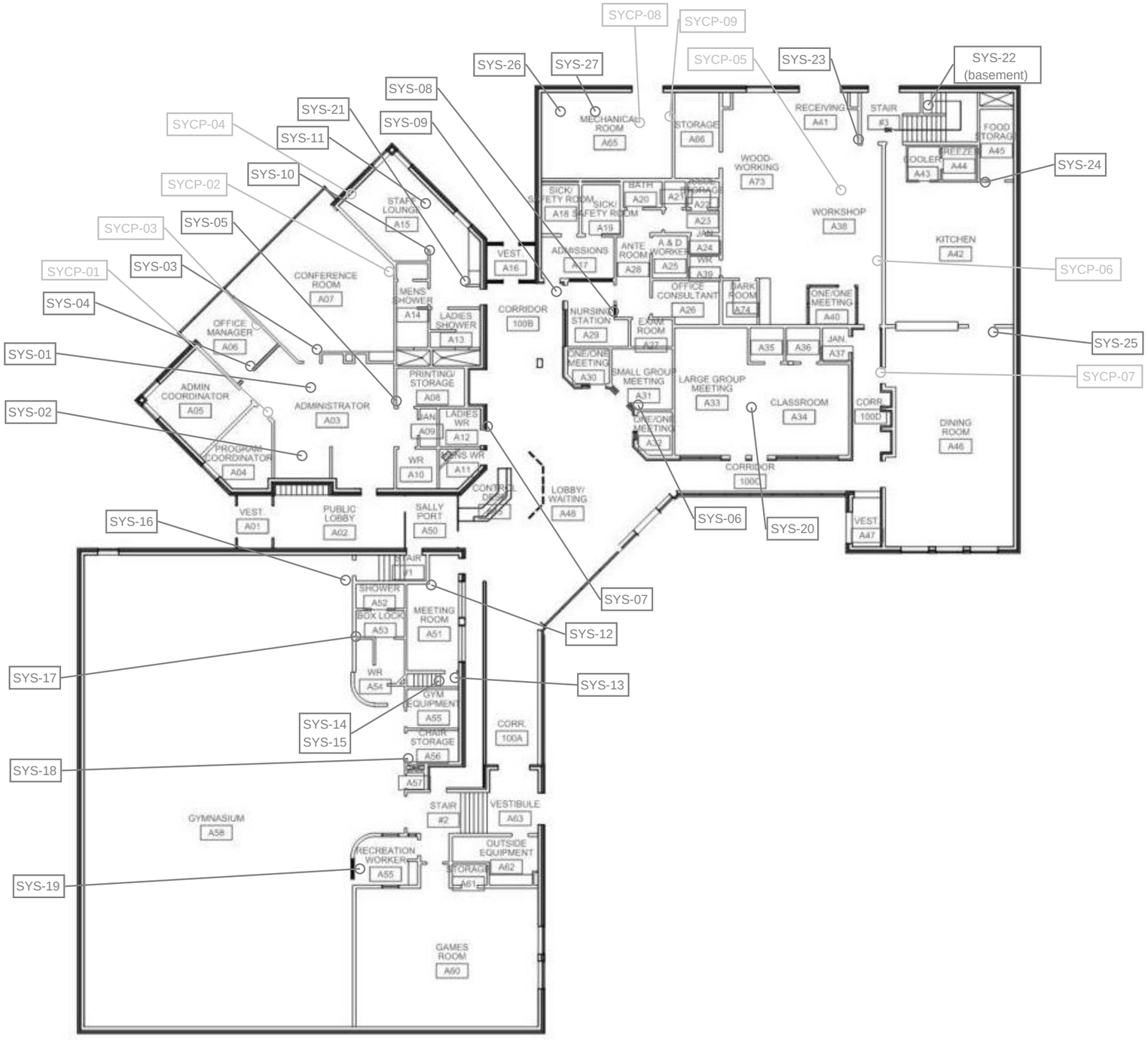
Drawing / dessin

SUMMERSIDE
BUILDING B

Designed	LK	concu
Date	FEB_2023	
Drawn	AJH	dessine
Date	MAR_2023	

NOTE:
THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale	1 OF 4	
Scale	NOT TO SCALE	
Revisions		Date



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ASBESTOS SURVEY BY

ALL-TECH ENVIRONMENTAL SERVICES LIMITED

162 TRIDER CRESCENT
DARTMOUTH, NOVA SCOTIA
B3B 1R6

ASBESTOS LEGEND

- = CEILING
- = FLOOR
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- = ACM WALL
- = LEAD PAINT WALL
- SYC–00 = SAMPLE NUMBER ASBESTOS DETECTED
- SYC–00 = SAMPLE NUMBER NO ASBESTOS DETECTED
- SYCP–00 = SAMPLE NUMBER LEAD DETECTED
- SYCP–00 = SAMPLE NUMBER NO LEAD DETECTED

projet

PE22400
SUMMERSIDE
YOUTH CENTRE
159 GREENWOOD DR
SUMMERSIDE, PEI

Drawing / dessin

SUMMERSIDE
YOUTH CENTER
MAIN FLOOR

Designed	LK	concu
Date	FEB_2023	
Drawn	AJH	dessine
Date	MAR_2023	

NOTE:
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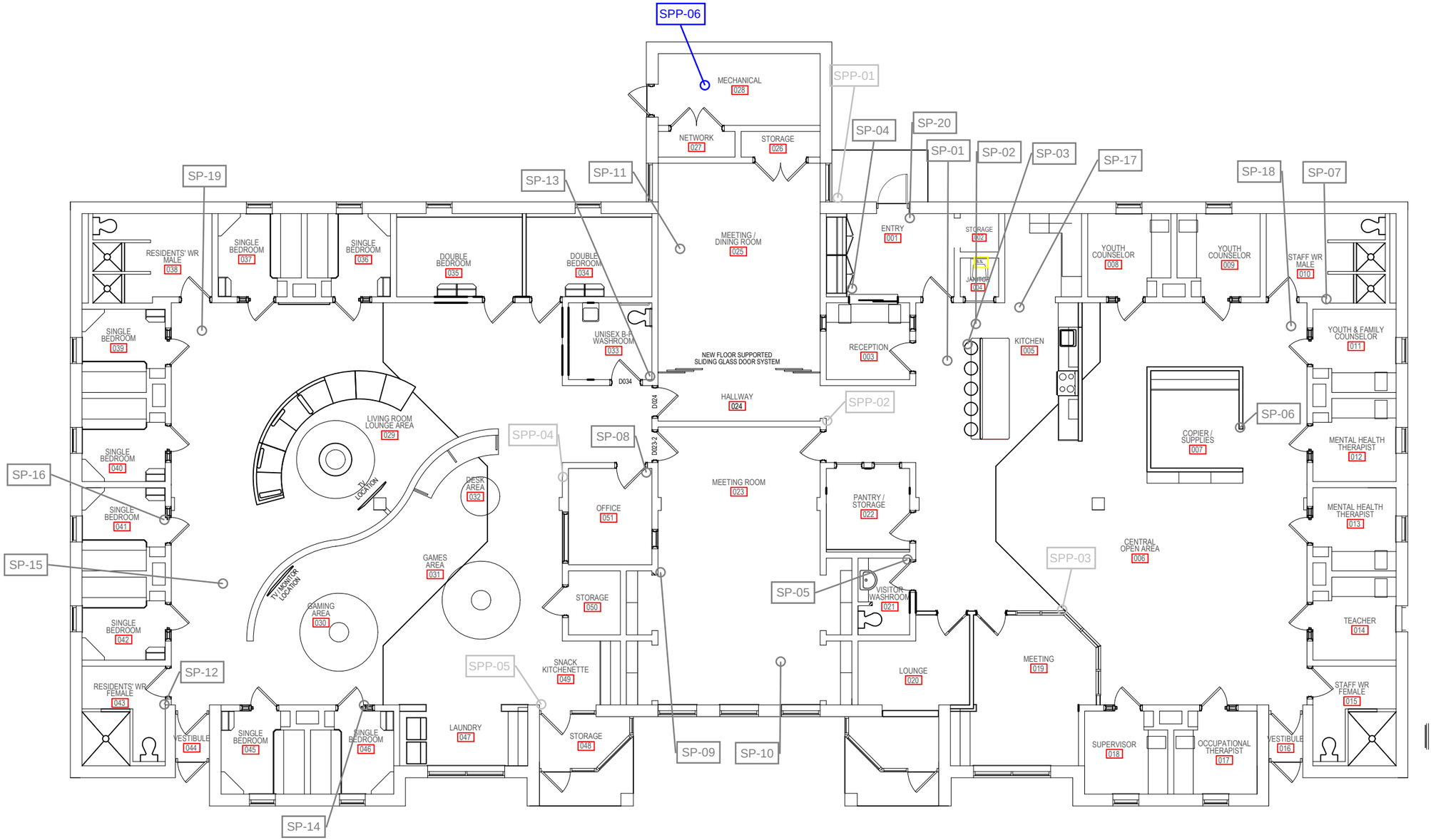
Scale	2 OF 4	
Scale	NOT TO SCALE	
Revisions		Date



Public Works and Procurement Canada | Services publics et Approvisionnement Canada

ASBESTOS SURVEY BY

ALL-TECH
ENVIRONMENTAL SERVICES LIMITED
162 TRIDER CRESCENT
DARTMOUTH, NOVA SCOTIA
B3B 1R6

ASBESTOS LEGEND

- = CEILING
- = FLOOR
- = CEILING AND FLOOR
- = UNSURVEYED AREA
- A = APPLIANCE
- M = MECHANICAL
- P = PIPE MATERIAL
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- E = ELECTRICAL
- = ACM WALL
- = LEAD PAINT WALL

AF-00 = SAMPLE NUMBER ASBESTOS DETECTED

AF-00 = SAMPLE NUMBER NO ASBESTOS DETECTED

AFP-00 = SAMPLE NUMBER LEAD DETECTED

AFP-00 = SAMPLE NUMBER NO LEAD DETECTED

projet

PE22400
SUMMERSIDE
YOUTH CENTRE
159 GREENWOOD DR
SUMMERSIDE, PEI

Drawing / dessin

SUMMERSIDE
YOUTH CENTER
YOUTH STRENGTH

Designed: I.K — concu
Date: FEB_2023
Drawn: AJH — dessine
Date: MAR_2023

NOTE:
THIS DRAWING SHOULD BE USED FOR REFERENCE PURPOSES ONLY REFER TO THE ASBESTOS AND LEAD SURVEYS FOR THE ROOM BY ROOM DATE FOR SPECIFIC DETAILS

Scale: 4 OF 4

Scale: NOT TO SCALE

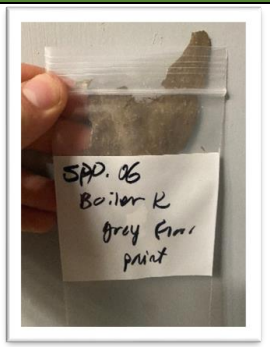
Revisions | Date

APPENDIX IV

Summary of Hazardous Materials report

Summerside Youth Centre - Summary of Hazardous Materials Report (2022)

Lead Paint

Room No.	Building / Location	Sample No.	Paint colour / substrate	Lead Content (%)	Comments	Photo
28	***Strength Program*** Mechanical Room	SPP-06	Grey paint / Concrete floor	**0.18**		
128	***Youth Centre / Adult Female Building*** Mechanical Room	AFP-06	Grey paint / Concrete floor	**0.14**		

Silica

Room No.	Location	Sample No.	Material	Comments	Photo
NA	Exterior foundation; masonry	NA	Concrete foundation and floors. Cement block walls and brick masonry and mortars.		